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(21)Application number : 2001-359302 (71)Applicant : UNITIKA LTD
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(54) WATER ABSORBENT, METHOD FOR MANUFACTURING THE SAME AND WATER
ABSORBING ARTICLE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an excellent water absorbent having biodegradability, high safety and such a high degree of gel strength after water absorption that it can be put to practical use without difficulty and also having a sufficient amount of water absorption and a sufficiently high rate of water absorption.

SOLUTION: The water absorbent consists of guar gum and carrageenan, absorbs ≥ 20 times as much 0.9 mass% aqueous sodium chloride solution as its own weight and has $\geq 15,000 \times 10^{-7}$ N/mm² gel strength after absorption of 30 times as much 0.9 mass% aqueous sodium chloride solution as its own weight.

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